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**1** [Comparing the usage of digital rights management systems in the m](#)  
[print industry](#)

Marc Fetscherin, Matthias Schmid

 September 2003 **CEC '03**: Proceedings of the 5th international conference  
 commerce

**Publisher:** ACM

 Full text available: [Pdf](#) (212.60 KB) [Additional Information: full citation, abstract, referer terms](#)
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The business of content providers is being threatened by technology ad  
 hardware, software and IP-networks such as the Internet or peer-to-pe  
 systems. The result is an increasing amount of illegal copies available o

**Keywords:** digital content, digital content distribution, digital rights me  
 protection technologies

**2** [A four-layer model for security of digital rights management](#)
[Eric Diehl](#)

 October 2008 **DRM '08**: Proceedings of the 8th ACM workshop on Digital rig

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**Bibliometrics:** Downloads (6 Weeks): 21, Downloads (12 Months): 237, Citati

Defining Digital Rights Management (DRM) is a complex task. There is r  
 universal definition. There are many legal, economic, functional, and tex  
 This complexity induces also that there is not one unique modeling of D

**Keywords:** digital rights management, drm, dtcp, dvb, oma, rights enf

**3** [Digital rights management in a 3G mobile phone and beyond](#)
[Thomas S. Messerges, Ezzat A. Dabbish](#)

 October 2003 **DRM '03**: Proceedings of the 3rd ACM workshop on Digital rig

**Publisher:** ACM [Request Permissions](#)

 Full text available: [Pdf](#) (306.59 KB) [Additional Information: full citation, abstract, referer terms](#)

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In this paper we examine how copyright protection of digital items can be managed in a 3G mobile phone and other devices. First, the basic concepts and requirements for digital rights management are reviewed. Next, a framework for digital rights management is proposed.


**Keywords:** MPEG-21, copyright protection, cryptography, digital content management, embedded system, key management, mobile phone, open security

#### 4 Digital rights management for content distribution

Qiong Liu, Reihaneh Safavi-Naini, Nicholas Paul Sheppard

January 2003 **ACSW Frontiers '03: Proceedings of the Australasian Information security workshop conference on ACSW frontiers 2003**  
Volume 21

**Publisher:** Australian Computer Society, Inc.


Full text available:  Pdf (224.63 KB) **Additional Information:** full citation, abstract, reference terms

**Bibliometrics:** Downloads (6 Weeks): 49, Downloads (12 Months): 691, Citations: 0

Transferring the traditional business model for selling digital goods linked to media to the online world leads to the need for a system to protect digital property. Digital Rights Management (DRM) is a system to protect high-value digital content.

**Keywords:** DRM, digital content

#### 5 Import/export in digital rights management

 Reihaneh Safavi-Naini, Nicholas Paul Sheppard, Takeyuki Uehara

October 2004 **DRM '04: Proceedings of the 4th ACM workshop on Digital Rights Management**

**Publisher:** ACM 

Full text available:  Pdf (211.60 KB) **Additional Information:** full citation, abstract, reference terms

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 83, Citations: 0

The inherently controlled nature of digital rights management systems can promote inter-operability of systems provided by different vendors. In this paper we consider import and export functionality by which multimedia protected by digital rights management can be shared across different systems.

**Keywords:** digital rights management, export, import, inter-operability

#### 6 Protecting fair use from digital rights management in china

 Huijia Xie

October 2007 **DRM '07: Proceedings of the 2007 ACM workshop on Digital Rights Management**

**Publisher:** ACM 


Full text available:  Pdf (254.60 KB) **Additional Information:** full citation, abstract, reference terms

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 197, Citations: 0

The widespread applications of the digital rights management (DRM) in challenging its traditional fair use doctrine. This paper gives an analysis Chinese laws and regulations that could be applied to protect fair use fr

**Keywords:** China, digital rights management, fair use

7 A trustworthy end-to-end key management scheme for digital rights

 Junil Kim, Yeonjeong Jeong, Kisong Yoon, Jaescheol Ryou

October 2006 **MULTIMEDIA '06**: Proceedings of the 14th annual ACM inter conference on Multimedia

**Publisher:** ACM  [Request Permissions](#)


Full text available:  Pdf (269.86 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 88, Citation

Current studies on Digital Rights Management (DRM) have focused on s encryption as a means of solving the issue of illegal copying by purchas we propose an end-to-end key management scheme that can cover a ci protection ...

**Keywords:** DRM, content protection, key management

8 Authorization for digital rights management in the geospatial domain

 Andreas Mathews

November 2005 **DRM '05**: Proceedings of the 5th ACM workshop on Digital management

**Publisher:** ACM  [Request Permissions](#)


Full text available:  Pdf (829.98 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 74, Citation

Since information is available in digital format, the protection of intellec copyright fraud has become an important issue. This is, because the dig be copied without quality loss and with a reasonable effort of time, ...

**Keywords:** DRM, access control, geoXACML, geospatial

9 Towards an open, trusted digital rights management platform

 Andrew Cooper, Andrew Martin

October 2006 **DRM '06**: Proceedings of the ACM workshop on Digital rights

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (417.51 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 157, Citati

Trusted computing has received criticism from those who fear it will be market forces to exert power over the software used on consumer platf describes an open architecture for digital rights management (DRM) enf

**Keywords:** DRM, digital rights management, mandatory access control

computing, virtual machines

# 10 Digital rights management for the online music business

 Sai Ho Kwok

June 2002 **SI Gecom Exchanges**, Volume 3 Issue 3

**Publisher:** ACM

Full text available:  Pdf (51.88 KB) **Additional Information:** [full citation](#), [abstract](#), [referen](#)

**Bibliometrics:** Downloads (6 Weeks): 18, Downloads (12 Months): 192, Citatio

Digital rights management has become a pressing concern for the online music industry. Existing digital rights management systems are backed by two license models, the tethered model and the untethered model. These two license models ...

**Keywords:** digital rights management, electronic business, electronic commerce, intellectual property, license management, online music business

# 11 Reconfigurable hardware solutions for the digital rights management in digital cinema

 G. Rouvroy, F.-X. Standaert, F. Lefebvre, J.-J. Quisquater, B. Macq, J.-D. L.

October 2004 **DRM '04: Proceedings of the 4th ACM workshop on Digital rights management**

**Publisher:** ACM  [Request Permissions](#)


Full text available:  Pdf (440.86 KB) **Additional Information:** [full citation](#), [abstract](#), [referen](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 48, Citation

This paper presents a hardware implementation of a decoder for Digital Rights Management (DRM). This decoder enables us to deal with image size of 2K with 24 frames per second (FPS) at 10 bits per pixels. It is the first implementation known nowadays that performs

**Keywords:** AES, DRM, FPGA, JPEG 2000, digital cinema, watermarking

# 12 Digital rights management: desirable, inevitable, and almost irrelevant

 Andrew Odlyzko


October 2007 **DRM '07: Proceedings of the 2007 ACM workshop on Digital Rights Management**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (204.71 KB) **Additional Information:** [full citation](#), [references](#), [index](#)

**Bibliometrics:** Downloads (6 Weeks): 14, Downloads (12 Months): 165, Citation

# 13 Digital rights management & protecting the digital media value chain

 Marvin L. Smith

October 2004 **MUM '04: Proceedings of the 3rd international conference on Ubiquitous multimedia**


**Publisher:** ACM

Full text available:  Pdf (95.20 KB) **Additional Information:** [full citation](#), [abstract](#), [referen](#)  
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**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 111, Citation

Digital media that is readily & illegally distributed over the Internet and networks has posed major problems for the members of the digital media. Ubiquitous mobile communication devices such as media capable hands


**Keywords:** combined delivery, digital media, digital rights management lock, open mobile alliance (OMA), rights expression language (REL), sep

- 14 [Proceedings of the 4th ACM workshop on Digital rights management](#)  
 Joan Feigenbaum, Tomas Sander, Moti Yung, Aggelos Klayias  
 October 2004 **DRM '04**: Proceedings of the 4th ACM workshop on Digital rights management  
**Publisher:** ACM

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citations


The area of Digital Rights Management (DRM) is a unique blend of many subareas. These subareas include Mathematics and Cryptography, Legal aspects, Signal Processing, Game Theory, Information Theory, Software Design and ...

- 15 [Proceedings of the 5th ACM workshop on Digital rights management](#)  
 Moti Yung, Vijay Alturi, Reza Safavi-Naini  
 November 2005 **DRM '05**: Proceedings of the 5th ACM workshop on Digital rights management  
**Publisher:** ACM

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citations


Digital Rights Management (DRM) is a multifaceted area that includes disciplines such as Mathematics and Cryptography, Legal and Social aspects, Signal Processing, Game Theory, Information Theory, Software and Systems Design and Business ...

- 16 [Proceedings of the 8th ACM workshop on Digital rights management](#)  
 Gregory Heileman, Marc Joye  
 October 2008 **DRM '08**: Proceedings of the 8th ACM workshop on Digital rights management  
**Publisher:** ACM

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citations

For as long as creative materials have been produced, the owners of the materials have sought to protect their rights over them. Indeed, approximately 500 years ago Cervantes had to deal with impostors seeking to publish sequels to the

- 17 [Proceedings of the ACM workshop on Digital rights management](#)  
 Moti Yung, Kaoru Kurosawa, Reza Safavi-Naini  
 October 2006 **DRM '06**: Proceedings of the ACM workshop on Digital rights management  
**Publisher:** ACM


Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citations

Digital Rights Management (DRM) is an interdisciplinary area that includes

Among these fields are: Mathematics and Cryptography, Legal and Social Signal Processing and Watermarking, Game Theory, Information Theory

# 18 [Proceedings of the 2007 ACM workshop on Digital Rights Management](#)

 Moti Yung, Aggelos Klayias, Ahmad Reza-Sadeghi

October 2007 **DRM '07**: Proceedings of the 2007 ACM workshop on Digital Rights Management

**Publisher:** ACM

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citations

The ACM Workshop on Digital Rights Management is an international forum for an interdisciplinary bridge between the areas that can be applied to solve problems of Intellectual Property protection of digital content. These include Cryptography, Game Theory, Information Theory, Legal and Social Signal Processing and Watermarking, Mathematics and Cryptography

# 19 [Proceedings of the 3rd ACM workshop on Digital rights management](#)

 Joan Feigenbaum, Tomas Sander, Moti Yung

October 2003 **DRM '03**: Proceedings of the 3rd ACM workshop on Digital Rights Management


**Publisher:** ACM

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citations

*The Third ACM Workshop on Digital Rights Management (DRM 2003) was held in conjunction with the 10th ACM conference on SIGSAC and was held in conjunction with the 10th ACM conference on Communication Security (CCS). The notion of Digital Rights Management*

# 20 [Web services for digital rights management and copyright protection](#)

 Dimitrios K. Tsolis, Theodore S. Papatheodorou

September 2008 **DIMEA '08**: Proceedings of the 3rd international conference on Digital Rights Management in Interactive Media in Entertainment and Arts

**Publisher:** ACM

Full text available:  Pdf (763.02 KB) Additional Information: [full citation](#), [abstract](#), [refer](#)

**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 164, Citations

The paper focuses on the implementation of an advanced digital rights management (DRM) system which supported by web services offers copyright protection management of digital media. The main components of the DRM system are: image library, ...

**Keywords:** copyright protection, digital rights management system, digital rights management, watermarking, web services

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